



**Figure 44.** Diel vs. tidal force influence on water temperature, NERR SWMP 1995-2000.

Not surprisingly, temperature is dominated by diel influences in all but a handful of the sites (Figure 44). The most extreme example of tidal influence on water temperature occurs at Valino Island site (South Slough NERR). Additional sites where temperature seems to be somewhat more tidally driven include the Mullica River – Buoy 126, Wells – Inlet site, and two of the three Great Bay sites (Great Bay and Squamscott River). The third Great Bay site, Lamprey River, lies near the origin in this plot, and so shows no great cyclical pattern in temperature. Sites which are extremely dominated by diel effects for temperature include the Elkhorn Slough – Azevedo Pond and North Marsh sites, and the Jobos Bay and Tijuana River sites.